

AMENDMENTS TO THE SPECIFICATION

1) Kindly add a list of figures between "SUMMARY OF THE INVENTION" and "DETAILED DESCRIPTION OF THE INVENTION" as follows:

DESCRIPTION OF THE FIGURES

Fig. 1 shows an embodiment of the present invention with an alkyl amine.

Fig. 2 shows an embodiment of the present invention where the alkyl amine is an ether amine.

2) On page 5, line 18, change the paragraph starting with:

"Figure 1 Shows synthesis of a typical polymer of the type described by this invention. R may be any alkyl or alkoxy group of between around 6 to 22 carbons. R' and R" can be the same or different"

to:

"Fig. 1 shows synthesis of a typical polymer of the type described by this invention using an alkyl amine.
Fig. 2 shows an embodiment similar to Fig. 1 where the

alkyl amine is an ether amine. In these figures, R may be any alkyl or alkoxy of between 6 to 22 carbons. R' and R'' can attached to the ends of the structures shown in parentheses in the figures. R' and R'' can be the same or different chosen from a wide range of materials, including, but limited to, H, $-(CH_2)_nH$, $-(CH_2)_nNH_2$, $-[(CH_2)_nNH]_m(CH_2)_oNH_2$, with n, m and o from 1 to 30, $-(CH_2CH_2O)_a-(CH_2CH(CH_3)O)_b-(CH_2CH(CH_2CH_3)O)_cH$ with a, b, and c integers from 0 to 30, $-(CH_2)_xH$ with x from 1-30, $-(CH_2)_nN[(CH_2CH_2O)_a-(CH_2CH(CH_3)O)_b-(CH_2CH(CH_2CH_3)O)_cH] - (CH_2CH_2O)_a-(CH_2CH(CH_3)O)_b-(CH_2CH(CH_2CH_3)O)_cH$, $-[(CH_2)_nN(CH_2CH_2O)_a-(CH_2CH(CH_3)O)_b-(CH_2CH(CH_2CH_3)O)_cH]_m(CH_2)_oN[(CH_2CH_2O)_a-(CH_2CH(CH_3)O)_b-(CH_2CH(CH_2CH_3)O)_cH] - (CH_2CH_2O)_a-(CH_2CH(CH_3)O)_b-(CH_2CH(CH_2CH_3)O)_cH$. Together R' and R'' must contain a total of at least two terminal $-NH_2$ or $-OH$ or a combination of either totaling at least two. The use of alkoxyated polyamines (at least three terminal $-OH$ groups are present) as included above, produces polymers with tertiary cross linking when reacted with diisocyanates as opposed to the linear structures that result from diisocyanates and alkoxyated primary amines. Another way to achieve tertiary cross linking

is to utilize a polyisocyanate that has more than two isocyanate groups available for the urea/ urethane reaction.